

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.  
21933-USTotal Pages in this Submission  
4**TO THE COMMISSIONER FOR PATENTS**Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**VESSEL SYSTEM FOR THE TREATMENT AND/OR STORAGE OF LIQUIDS**

and invented by:

**Renato BELZ and Armin BUCHER**03945 U.S. PTO  
10/657308

09/06/03

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 9 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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**(Large Entity)**

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Docket No.  
21933-US

Total Pages in this Submission  
4

**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal Number of Sheets 5
- b. ☐ Informal Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)* ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☒ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EV338303035US

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
21933-US

Total Pages in this Submission  
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**Accompanying Application Parts (Continued)**

17. ☒ Additional Enclosures (please identify below):

Copy of German Application No. 20303538.0 filed March 5, 2003

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
21933-US

Total Pages in this Submission  
4

09/08/03  
02527 U.S. PTO

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	7	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$750.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$750.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-0812** as described below.
- ☒ Charge the amount of **\$750.00** as filing fee.
  - ☒ Credit any overpayment.
  - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated:

9/8/03

Bart W. Wise  
Signature

Bart W. Wise (Reg. No. 49,029)

cc: Customer No. 22829

ROCHE MOLECULAR SYSTEMS, INC.  
Patent Department  
1145 Atlantic Avenue  
Alameda, California 94501

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Renato Belz and Armin Bucher

Docket No.

21933-US

Serial No.  
UnassignedFiling Date  
Even date herewithExaminer  
UnassignedGroup Art Unit  
N/A

invention: VESSEL SYSTEM FOR THE TREATMENT AND/OR STORAGE OF LIQUID

I hereby certify that the following correspondence:

Patent Application Transmittal Letter, Utility Patent Application Transmittal Letter, Preliminary Amendment, Unsigned Declaration and Power of Attorney, Specification 6pp, Claims 2pp, Abstract 1 p & 5 sheets of Drawing, Application Data sheet, copy of t German Application No. 20303538.0, Express Mailing Label EV338303035US and Return receipt Postcard

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

9/8/03  
*(Date)*

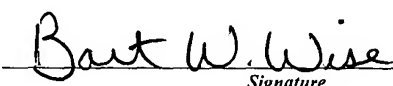
Winsome A. Dunn

*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*

EV 338303035US

*("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

<b>PATENT APPLICATION TRANSMITTAL LETTER</b> (Large Entity)	Docket No. <b>21933-US</b>				
<u>TO THE COMMISSIONER FOR PATENTS</u>					
Transmitted herewith for filing under 35 U.S.C. 111 and 37 C.F.R. 1.53 is the patent application of: <b>Renate BELZ and Armin BUCHER</b>					
For: <b>VESSEL SYSTEM FOR THE TREATMENT AND/OR STORAGE OF LIQUIDS</b>					
Enclosed are: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Certificate of Mailing with Express Mail Mailing Label No. <b>EV 338303035US</b></li> <li><input checked="" type="checkbox"/> <b>5</b> sheets of drawings.</li> <li><input type="checkbox"/> A certified copy of a _____ application.</li> <li><input checked="" type="checkbox"/> Declaration    <input type="checkbox"/> Signed.    <input checked="" type="checkbox"/> Unsigned.</li> <li><input checked="" type="checkbox"/> Power of Attorney</li> <li><input type="checkbox"/> Information Disclosure Statement</li> <li><input checked="" type="checkbox"/> Preliminary Amendment</li> <li><input checked="" type="checkbox"/> Other: <b>Application Data Sheet and Copy of the German Priority Application No. 20303538.0</b></li> </ul>					
<b>CLAIMS AS FILED</b>					
For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	7	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>BASIC FEE</b>					<b>\$750.00</b>
<b>TOTAL FILING FEE</b>					<b>\$750.00</b>
<input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <b>50-0812</b> as described below. <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Charge the amount of <b>\$750.00</b> as filing fee.</li> <li><input checked="" type="checkbox"/> Credit any overpayment.</li> <li><input checked="" type="checkbox"/> Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.</li> <li><input type="checkbox"/> Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).</li> </ul>					
Dated: <b>9/8/03</b>		 Bart W. Wise - Reg. No. 49,029			
cc: Customer No. 22829		<b>ROCHE MOLECULAR SYSTEMS, INC.</b> Patent Department 1145 Atlantic Avenue Alameda, CA 94501			